

SEQUENCE LISTING

<110> Venema, Fokke

<120> Method for lowering both sequence variations and increase of base line effects in a diagnostic hybridisation assay, assay for performing such a method and probe for use in the assay

<130> 9310-150

<140> US 10/537,562

<141> 2003-12-02

<150> PCT/EP2003/013676

<151> 2003-12-02

<150> EP 02080125.4

<151> 2002-12-03

<160> 12

<170> PatentIn version 3.2

<210> 1

<211> 26

<212> DNA

<213> Artificial

<220>

<223> Molecular beacon Ref

<220>

<221> misc\_feature

<222> (1)..(26)

<223> n = inosine

<400> 1

atcaatgagg angctgcaga ntggga 26

<210> 2

<211> 26

<212> DNA

<213> Artificial

<220>

<223> Molecular beacon Me-1

<220>

<221> misc\_feature

<222> (1)..(26)

<223> n = inosine;

<220>

<221> modified\_base

<222> (4)..(5)  
<223> 2'-O-methyladenine

<220>  
<221> modified\_base  
<222> (8)..(8)  
<223> 2'-O-methyladenine

<220>  
<221> modified\_base  
<222> (11)..(11)  
<223> 2'-O-methyladenine

<220>  
<221> modified\_base  
<222> (18)..(18)  
<223> 2'-O-methyladenine

<220>  
<221> modified\_base  
<222> (20)..(20)  
<223> 2'-O-methyladenine

<400> 2  
atcaatgagg angctgcaga ntggga

26

<210> 3  
<211> 26  
<212> DNA  
<213> Artificial

<220>  
<223> Molecular beacon Me-2

<220>  
<221> misc\_feature  
<222> (1)..(26)  
<223> n = inosine

<220>  
<221> modified\_base  
<222> (4)..(5)  
<223> 2'-O-methyladenine

<220>  
<221> modified\_base  
<222> (7)..(7)  
<223> 2'-O-methylguanine

<220>  
<221> modified\_base  
<222> (9)..(10)  
<223> 2'-O-methylguanine

<220>

<221> modified\_base  
<222> (11)..(11)  
<223> 2'-O-methyladenine

<220>  
<221> modified\_base  
<222> (13)..(13)  
<223> 2'-O-methylguanine

<220>  
<221> modified\_base  
<222> (16)..(16)  
<223> 2'-O-methylguanine

<220>  
<221> modified\_base  
<222> (19)..(19)  
<223> 2'-O-methylguanine

<220>  
<221> modified\_base  
<222> (20)..(20)  
<223> 2'-O-methyladenine

<220>  
<221> modified\_base  
<222> (23)..(24)  
<223> 2'-O-methylguanine

<400> 3  
atcaatgagg angctgcaga ntggga

26

<210> 4  
<211> 26  
<212> DNA  
<213> Artificial

<220>  
<223> Molecular beacon Me-7

<220>  
<221> misc\_feature  
<222> (1)..(26)  
<223> n = inosine

<220>  
<221> modified\_base  
<222> (5)..(5)  
<223> 2'-O-methyladenine

<220>  
<221> modified\_base  
<222> (7)..(7)  
<223> 2'-O-methylguanine

```

<220>
<221> modified_base
<222> (9)..(10)
<223> 2'-O-methylguanine

<220>
<221> modified_base
<222> (11)..(11)
<223> 2'-O-methyladenine

<220>
<221> modified_base
<222> (13)..(13)
<223> 2'-O-methylguanine

<220>
<221> modified_base
<222> (16)..(16)
<223> 2'-O-methylguanine

<220>
<221> modified_base
<222> (18)..(18)
<223> 2'-O-methyladenine

<220>
<221> modified_base
<222> (19)..(19)
<223> 2'-O-methylguanine

<220>
<221> modified_base
<222> (20)..(20)
<223> 2'-O-methyladenine

<220>
<221> modified_base
<222> (23)..(25)
<223> 2'-O-methylguanine

<400> 4
atcaatgagg angctgcaga ntggga

```

26

```

<210> 5
<211> 26
<212> DNA
<213> Artificial

<220>
<223> Molecular beacon Ref2

<400> 5
atcaatgagg aagctgcaga atggga

```

26

```

<210> 6

```

<211> 26  
<212> DNA  
<213> Artificial

<220>  
<223> Molecular beacon LNA1

<220>  
<221> modified\_base  
<222> (1)..(1)  
<223> LNA nucleotide of adenine

<220>  
<221> modified\_base  
<222> (15)..(15)  
<223> LNA nucleotide of thymine

<400> 6  
atcaatgagg aagctgcaga atggga

26

<210> 7  
<211> 26  
<212> DNA  
<213> Artificial

<220>  
<223> Molecular beacon LNA2

<220>  
<221> modified\_base  
<222> (1)..(1)  
<223> LNA nucleotide of adenine

<220>  
<221> modified\_base  
<222> (11)..(11)  
<223> LNA nucleotide of adenine

<220>  
<221> modified\_base  
<222> (15)..(15)  
<223> LNA nucleotide of thymine

<400> 7  
atcaatgagg aagctgcaga atggga

26

<210> 8  
<211> 26  
<212> DNA  
<213> Human immunodeficiency virus type 1

<400> 8  
atcaatgagg aagctgcaga atggga

26

<210>	9	
<211>	26	
<212>	DNA	
<213>	Human immunodeficiency virus type 1	
<400>	9	
	attaatgaag aagctgcaga gtggga	26
<210>	10	
<211>	26	
<212>	DNA	
<213>	Human immunodeficiency virus type 1	
<400>	10	
	atcaatgagg aagcagcaga ctggga	26
<210>	11	
<211>	26	
<212>	DNA	
<213>	Human immunodeficiency virus type 1	
<400>	11	
	atcaatgatg aagcagcaga ttggga	26
<210>	12	
<211>	26	
<212>	DNA	
<213>	Human immunodeficiency virus type 1	
<400>	12	
	atcaatgagg aagcggcaga ttggga	26